For the supply of a large quantity of Fencing for the Victoria Park Cemetery.

For the works necessary in extending the sewer from the north end of William-street, along Green-street, to Preston-street, being about 980 feet in length, in the parish of St. Matthew, Bethnal-green.

For the works forming the Portsmouth extension of the Brighton and Chichester railway.

COMPETITIONS.

Plans for the enlargement of the Suffolk General Hospital, and tenders for the execution of the work, are required by the Hospital Committee.

Plans, specifications, and estimates are required by the committee for the erection of the South Staffordshire General Hospital, Wolverhampton. The sum of 100*l.* will be given for the one selected.

The Provisional Committee of the National Glass Company of Ireland require plans and specifications, &c., for the erection of all the necessary Buildings, comprising an extensive manufactory for making crown (window) glass; also plans for an extensive manufactory of plate glass. 25*l.* will be given for each plan selected, or 50*l.* for both if to the same individual.

APPROACHING SALES OF WOOD, &c.

BY AUCTION.

At the Black Lion Inn, Bradford, 49 prime maiden oaks, 15 maiden ash, 291 large pollard oaks, 18 pollard elms, 79 pollard ash, poplar, and swallow pear trees, now standing.

BY PRIVATE CONTRACT.

Now lying on Upper Comeytrowe Farm, two miles from Taunton, 180 maiden elms and 30 maiden ash trees, suitable for railway contractors.

TO CORRESPONDENTS.

"Cast-Iron Girders."—*We shall next week give an extended table for calculating beams.*

"Adolphus."—*We advise him to consult some respectable green-house builder.*

"Senex."—*If the cottages are not rendered fit for use before the 1st of January next, they will come under the operation of the Buildings Act. The alterations necessary in such cases, will probably be settled by special application to the official referees.*

"J. D." (Camden Town) *is thanked for the offered drawings: they are hardly sufficiently precise for our purpose.*

"W. R."—*We cannot answer for the competency of the person mentioned.*

"Works on levelling."—*Recommendations will be found in recent Nos. We cannot be expected to repeat replies to the same question.*

"R. Q."—*Bruff's Treatise on Engineering Field Work. Whishaw's "Railways of Great Britain and Ireland" is a very useful work, but no one book will give all that is required.*

"H. B. G."—*Varnish stained with asphaltum is much used.*

"Conveyance of Water."—*A correspondent wishes to know the cheapest and best mode of conveying a small current of water for 300 yards down a gentle inclination to a cistern, for the supply of one family; the smallest pipe that would preserve a regular current will be large enough.*

"Valuation of Freeholds, &c."—"*Inwood's Tables*" *will be found useful.*

"A Subscriber."—*Wax for moulds may be obtained from any plasterer.*

"Iron Work at Lincoln's Inn Hall."—*We are requested to say, that the name of the smith whose work at the new Hall we justly praised last week, is Jabez James, of York-road, Lambeth, not John James.*

"T. L."—*Next week. We shall be most happy to receive communications from so accomplished a correspondent.*

"P. M." (Lambeth.)—*The gentleman named must be Mr. John Martin (the artist), of 36, Alsop-terrace, New-road. We shall be glad to hear more on the subject.*

"Y. X. A."—*A letter addressed to Sir Henry Ellis, at the Museum, by any person of reputation, would obtain for our correspondent the required admission to the Reading-room.*

"Tenders."—*We do not propose to insert tenders, excepting for large works, or under peculiar circumstances.*

"Mr. F."—*We will take an opportunity to visit the work, without troubling him.*

"W." (Bridgewater.)—*If all the circumstances be stated, we think our correspondent would not recover payment.*

Received:—"G. R." "W. S." (Dorking.) "G. C." (Cardiff.) "Q." "W. J. S." "Eudownik"

Books Received:—Kelland's new edition of "Dr. Young's Lectures," Part IX., completing the work. (Taylor and Walton, Upper Gower-street.) "Pictorial Gallery of Arts," Part X. (Knight.) "Old England," Part 23. "The Philathenic, or Institutional Intelligencer," No. III. (Gilbert.) Foster's "Pencilled Copy-books." (Souter and Law.)

*** Correspondents are requested to address all communications to the EDITOR.

ERRATA.—In our last number, page 525, towards the bottom of the middle and the top of the third columns, *for* "Adessa" *read* "Odessa."

ADVERTISEMENTS.

PROFESSOR KELLER'S POSES PLASTIQUES.

ROYAL ADELAIDE GALLERY.—This day, and during the week, Professor Keller will exhibit at the Adelaide Gallery his Grand Tableau Vivans from the Ancient Masters, which have received so largely the encomiums of the press. Every morning at half-past three, and in the evening at nine o'clock. Great efforts have been made to add to the effects of this exhibition. A variety of new subjects have been added to those already presented to the public. The Concerts as usual.

Also Pilbrow's Atmospheric Railway model, with explanatory lecture.

ROYAL POLYTECHNIC INSTITUTION.—A Lecture on the prevalent disease in Potatoes, and the means of extracting the starch as an article of food, will be delivered by Dr. Ryan, daily, at half-past Three, and on the Evenings of Mondays, Wednesdays, and Fridays, at Nine. Lectures on the Music of Spain, by Don Jose de Carbra, with Guitar and Vocal Illustrations, on Tuesdays, Thursdays, and Saturdays, at half-past Two o'clock. Professor Bachhoffner's varied Lectures, with Experiments, in one of which he clearly explains the principle of the Atmospheric Railway, a Model of which is at work daily. Coleman's new American Locomotive Engine, for ascending and descending Inclined Planes. A magnificent collection of Models of tropical fruits. A new and very beautiful series of Dissolving Views. New Optical Instruments, &c. Experiments with the Diver and Diving Bell, &c. &c.—Admission, One Shilling. Schools, Half-price.

TO RAILWAY ENGINEERS, SURVEYORS, AND OTHERS.

LEVELLING STAVES, SCALES, &c., at the lowest prices that can possibly be charged without detriment to the quality of the goods.

Levelling Staves of the most convenient and best construction, now in general use on all the lines under s. d.

	s.	d.
survey, each	16	0
Parliamentary Scale, and Offset for railway surveys, box wood	4	5
Ditto, Ivory	9	6

Curves, &c., made to order on the shortest notice.

WM. HORCRAFT, Mathematical Instrument Maker, 38, Princes-street, Leicester-square, London.—Orders by post, containing a remittance, immediately forwarded to all parts of the country.

PORTLAND CEMENT of best quality manufactured by J. B. WHITE and SONS, of Millbank-street, Westminster. To be had at their Warehouses Druce's Wharf, Chelsea; Bell's Wharf, Paddington; and Earl-street, Blackfriars.

TO ENGINEERS, ARCHITECTS, AND CONTRACTORS.

GREAVES'S LIAS CEMENT and GROUND BLUE LIAS LIME, at 2, South Wharf, Paddington, London, and Works, Southam, Warwickshire.

Agent for Liverpool, Mr. WYLIE, 36, Gloster-street; ditto for Manchester, Mr. J. THOMPSON, Back King-street; ditto for Chester, Mr. J. HARRISON, Linen Hall-street.

ATKINSON'S CEMENT.—The public is respectfully informed, that the price of this very excellent Cement, which has now been in use for Architectural and Engineering works upwards of thirty years, is reduced to 2*s.* 3*d.* per bushel, and may be had in any quantity at Wyatt, Parker, and Co.'s Wharf, Holland-street, Surrey side of Blackfriars-bridge.

N.B.—This Cement being of a light colour, requires no artificial colouring or painting, and may be used for stucco with three parts its own quantity of sand.

KEENE'S PATENT MARBLE CEMENT.

THE PATENTEES of KEENE'S CEMENT beg to draw attention to the use of this material in the works recently executed at the COLOSSEUM, Regent's-park. The POLISHED COLUMNS in the Hall of Sculpture, the ornamental paving in the corridors and conservatories, and most of the stucco on the walls, are specimens of the very successful application of this cement. Patentees and Manufacturers, J. B. WHITE and SONS, Millbank-street, Westminster.

THE PROJECTED RAILWAYS.

ANALYSIS of the PATENT METALLIC SAND, or English Puzzolano, used in the foundations of the New Houses of Parliament, the great Tunnels on the Birmingham Railway, Sea-wall on the Great Western Railway, in Devonshire, and other important works referred to more particularly in the prospectus.

Silica	49	Lime	6
Oxide of Iron	32	Magnesia	2
Alumina	6	Zinc	3
Arsenic and Carbonate of Copper	2		

Price in Swansea, free on board, 6*d.* per bushel, or supplied in London at 1*s.* per bushel.

Used as an external Stucco the Metallic Sand Cement is unaffected by frost or wet; in appearance it resembles the best Portland Stone, requires neither colour nor paint, and is entirely free from vegetative cracks and blisters.—Further Particulars on application to Mr. C. K. DYER, 4, New Broad-street, London; and at the Metallic Sand Wharf, King's-road (opposite Prat-street), Camden Town.

MARTIN'S FIRE-PROOF AND ORNAMENTAL CEMENT.

CAUTION.—Messrs. STEVENS and SON, Patentees, beg to caution their friends and the trade generally against confounding this invaluable Cement with others, erroneously said to be of the same description. S. and S. pledge themselves, that MARTIN'S CEMENT is totally dissimilar in composition and manufacture from every other, and, being a neutral compound, is not only free from chemical agency upon any substance with which it may come in contact, but completely resists the action of the strongest acids. They feel it a duty to direct attention to the following properties, which it exclusively possesses:—

1. It rapidly acquires the hardness of stone.

2. Unlike other internal cements, its hardness is uniform throughout its entire thickness.

3. Its surface which may be made equal to that of the finest marble never throws out any salt, and will receive paint in four days, without peeling, when put upon dry work.

It is peculiarly adapted as an internal stucco for walls, skirtings, architraves, mouldings, and enrichments of all kinds, to all of which purposes it has been extensively applied by Mr. Thomas Cubitt on the Grosvenor estate, &c.

For the above purposes, it possesses great advantages over wood, being more economical and durable, resisting fire, damp, and vermin.

For the floors of hall and fire-proof warehouses, its lightness, durability, and uniform surface give it an immense advantage over stone, being, at the same time, much more economical. The most satisfactory references can be given. To be had of the Patentees, Plaster of Paris and Cement Manufacturers, 166, DRURY LANE.

Agent for Liverpool and Manchester, Mr. R. PART, 70, Canning-place, Liverpool.

TO ARCHITECTS, ENGINEERS, CONTRACTORS, BUILDERS, MASONS, AND PLASTERERS, MERCHANTS, SHIPPERS, AND THE PUBLIC IN GENERAL.

JOHNS and CO.'S PATENT STUCCO CEMENT.—The following are the positive advantages possessed by this Invention over every Cement hitherto introduced:—It will effectually resist Damp. It will never vegetate nor turn green, nor otherwise discolour. It will never crack, blister, nor peel off. It will form a complete Stone casing to any Building covered with it. It so closely resembles Stone that it is impossible to detect it. It never requires either to be painted or coloured. It will keep fresh and good in the cask in any Climate for any number of years. It is the only Cement that can be depended upon for export. It is the only Cement that can be used with confidence by the Sea-side. It may be used in the hottest or coldest Climates at any season. It will adhere to any substance, even to Wood, Iron, or Glass. It will carry a larger Proportion of Sand than any other Cement. It matures by age, and becomes perfect when other Cements begin to perish. It may be worked through the Winter, as frost has no effect upon it. It may be used on the Inner Walls of new Houses, which may be papered over or painted directly. Roofs laid or pointed with this Cement will remain undamaged by the severest Storms. Any Plasterer may apply it, the Instructions for use being very clear and distinct. The first cost of this material does not exceed that of the cheapest Cement now in use; but with all the above-named extraordinary and valuable advantages, nothing can approach it in point of economy.

Architects and Builders who have used this Cement have declared that it requires only to be known, to be universally preferred.

Specimens may be seen, and a Prospectus fully describing the Cement and its mode of application, together with a volume of Testimonials from every part of the Kingdom, may be obtained on application to MANN and CO., SOLE AGENTS for the Patentees, 5, Maiden-lane, Queen-street, Cheapside, London: of whom also may be had,

JOHNS and CO.'S PATENT STONE-COLOUR STUCCO PAINT, expressly intended for Painting over exterior Walls of Houses that have been covered with Roman or other Cements, and which have become dirty and discoloured. It is in every way better suited for this purpose than White Lead Paint, which will frequently come off in flakes, being in direct chemical opposition with Cement; whereas MESSRS. JOHNS and CO.'S PATENT PAINT having an affinity for Stucco, binds itself with it, stopping the suction, thereby rendering the wall proof against weather, and in the finish producing a pure stone-like effect, producible by no other Paint whatever. It is cheap in its application,—and may be used by any Painter, in any climate, even in the most exposed Marine situations.

GRAINING COLOURS AND LIQUID WOOD STAINS.

HENRY STEPHENS begs to call the attention of Architects, Builders, House Decorators, Painters, Cabinet-makers, and all those engaged in the erection of churches where the appearance of oak is desirable, and those also who are employed in the revival of old carvings, faded furniture, or other ornamental wood work, to his GRAINING COLOURS and LIQUID WOOD STAINS.

The graining colours are prepared in a dampstate, and upon so true a principle, that the workman cannot fail in obtaining the natural colour, nor of giving to the work the same effect and appearance at all times. The difficulty of producing a true colour and of preserving the same uniformity with the admixture of earths and oxides, which are the ingredients used in graining, has long been acknowledged. This difficulty is at once removed by these preparations, and the graiuer is enabled to confine his attention to his art in graining, without being perplexed in proportioning and mixing his colours.

The LIQUID STAINS are solutions of colours which not only carry additional stain on to the various woods on which they are employed, but when used on the particular wood whose object it is to revive, it combines with and heightens the natural colour inherent in the wood, and is therefore a valuable acquisition to the DECORATOR and to the RENOVATOR of old oak or other carvings. They are also capable of giving colour to the sappy and defective parts of veneers and fine woods used by cabinet-makers and others.

In the decoration of churches, castles, baronial halls, and mansions, in which are often found beautiful specimens of ancient carvings; when the colour of the wood is changed and faded, these liquid stains will be found particularly serviceable.

They also impart to woods of inferior character and of soft texture, such as beech, birch, pine, deal, &c., the colour and appearance of such woods, whether oak, mahogany, rosewood, &c., as it may be designed to imitate, and thus save the expense of more costly materials.

The above preparations for graining and staining for purposes of imitation and of revival, are prepared by HENRY STEPHENS, and may be obtained at 54, Stamford-street, where specimens of their application may be seen, and also at the Office of "The Builder," and Mrs ROWLAND, Painter and Glazier, 3, Broad-street, Golden-square.

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